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# PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Marie A. Guion; Arthur G. Erdman; George Sommerfeld; Ahmed H. Tewfik; Craig D. Oster	Confirmation No.	1949
Serial No.:	10/781,118		
Filed:	February 18, 2004	Customer No.:	28863
Examiner:	Unknown		
Group Art Unit:	3736		
Docket No.:	1004-085US01		
Title:	ANALYSIS OF AUSCULTATORY SOUNDS USING SINGLE VALUE DECOMPOSITION		

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service, as First Class Mail, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on May 20, 2005.

**By:**

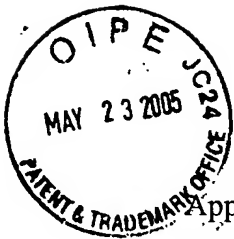
Patricia Cogan  
Name: Patricia Cogan

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

**Mail Stop Amendments  
Commissioner for Patents  
Alexandria, VA 22313-1450**

Dear Sir:

Applicant submits the references listed on the attached form PTO-1449. Also enclosed are copies of the references cited in a Written Opinion, the International Search Report and the PCT Written Opinion of the counterpart PCT matter. Under 37 C.F.R. 1.97(e)(1), each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Supplemental Information Disclosure Statement.



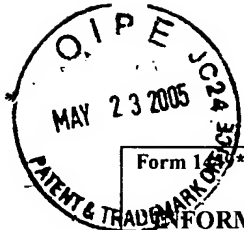
Applicant has enclosed a copy of each article cited and each foreign document cited.  
Copies of the U.S. patents are not enclosed as this requirement has been waived by the U.S.  
Patent Office.

Respectfully submitted,

Date: May 20, 2005

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<b>Form 1</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Docket Number: 1004-085US01		Application Number: 10/781,118	
		Applicant: Marie A. Guion; Arthur G. Erdman; George Sommerfeld; Ahmed H. Tewfik; Craig D. Oster			
		Filing Date: February 18, 2004		Group Art Unit: 3736	
		Examiner Name: Unknown			
<b>U.S. PATENT DOCUMENTS</b>					
<b>Examiner Initial</b>	<b>Document Number</b>	<b>Issue/Document Publication Date</b>	<b>Name</b>		<b>Filing Date If Appropriate</b>
	5,490,516	02/13/1996	Hutson		
<b>FOREIGN PATENT DOCUMENTS</b>					
<b>Examiner Initial</b>	<b>Document Number</b>	<b>Publication Date</b>	<b>Country</b>	<b>Translation</b>	
				<b>Yes</b>	<b>No</b>
	02/096293	12/05/2002	PCT		
	00/02486	01/20/2000	PCT		
<b>OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)</b>					
	H.P. Sava et al., "Spectral Analysis of Carpentier-Edwards Prosthetic Heart Valve Sounds in the Aortic Position Using SVD-Based Methods," IEE Colloquim on Signal Processing in Cardiology, pages 6-1 – 6-4, 1995.				
	T. Olmez et al., "Classification of Heart Sounds Using an Artificial Neural Network," Pattern Recognition Letters, Vol. 24, No. 1-3, pages 617-629, January 2003.				
	S.M. Lee et al., "Heart Sound Recognition by New Methods Using the Full Cardiac Cycled Sound Data," IEICE Transactions on Information and Systems, Institute of Electronics Information and Communication Engineering, Tokyo, JP, Vol. E84-D, No. 4, pages 521-529, April 2001.				
	Copy of Written Opinion of the International Application Number PCT/US2004/034557, mailed February 24, 2005.				
	Copy of International Search Report for International Application Number PCT/US2004/034557, mailed February 24, 2005.				
<b>EXAMINER</b>			<b>Date Considered</b>		
<small>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					